

## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION            | INITIALS | ID RO. | DATE   |  |  |  |
|---------------------|----------|--------|--------|--|--|--|
| FEE DETERMINATION   | 1 175    | 66621  | 8/30   |  |  |  |
| O.I.P.E. CLASSIFIER |          | 18     | 7-5    |  |  |  |
| FORMALITY REVIEW    | 1055     | KEGE   | 9 1999 |  |  |  |

## INDEX OF CLAIMS

| • | Rejected                   |   | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | l | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
|   | Doctricted                 | Λ | Ohierted     |

|          | •            |    |     |          |                |                     |          | Ī        |    |                   |                |          |          |   |
|----------|--------------|----|-----|----------|----------------|---------------------|----------|----------|----|-------------------|----------------|----------|----------|---|
| Cts      | im           | 1  | 6   | -        | _              | $\overline{\gamma}$ | (Da      | U        | Y  | 1                 | _              |          | _        | ٦ |
| ~        | _            | -  |     |          | TÈ             | 1.6                 |          | R        | ?  | īξ                | 1              | 1        | Т        | 1 |
|          | Adolnat      |    | 863 | 13       | 12             | 11                  | Ž        | t٤       | Ö  | 9                 | 1              | 1        | L        | ł |
| Final    | 뎔            | •  | 4   | 18       | 12             | K                   | 0        | 17       | ٥  |                   | 9              | 1        | 1        | ı |
| Œ        | قرا          | Ų  | 03  | ×        | 10             | 13                  | 6        | ř        | 2  | 6                 | ٩_             |          | L        | J |
| _        | Ŭ            | ũ  |     |          | 1              | Г                   | Г        | Т        | _  | Г                 | Т              | Т        | Г        | 1 |
| _        | N            | š  | -   | 1        | +              | $\vdash$            | 1-       | t        | _  | 1                 | 1              | +-       | ┢        | 1 |
| _        | И            |    | -   | ┢        | +-             | ├-                  | ⊢        | ╀        | _  | ⊢                 | ₽              | ┿        | ╄        | ┨ |
| _        | n            | Ų  |     | L.       |                |                     | L        | L        |    | <u> </u>          | L              |          | L        | J |
|          | $\mathbf{N}$ | L  | Г   |          | П              |                     |          | Γ        |    | 1                 | Γ              | П        | П        | 1 |
| _        | И            | J  | ļ   | T        | $\top$         | Г                   | 1        | T        | _  |                   | T              | Т        | Г        | 1 |
| ⊢        |              |    | Ü   | 17       | ╈              | ┪                   | 1        | t        | _  | ┪                 | +-             | +        | ┪        | 1 |
| ===      |              | 9  | ٧   | 7        | ┰              | -                   | ├-       | ╀        | -  | H                 | ╁╌             | ┿        | ╀        | ł |
|          | Ц            |    | W   | ×        | ┺              | ᄂ                   | <b> </b> | ╀        | _  | <u> </u>          | ╄              | +        | ╄        | 4 |
|          | L            | 3  | V   |          |                | $L_{-}$             |          | L        |    | L                 | _              |          | L        | J |
|          | П            |    | 7   | ĺ٧       | T              | Г                   |          | Ι        |    | j                 | 1              |          |          | 1 |
| _        | b            | 7  | J   |          | l <del>⊒</del> | V                   | 1        | Ī        | 7  | Г                 | ✝              | T        | ┰        | 1 |
| _        | H            | H  |     |          | 12             |                     |          | ۲        | -  | Н                 | +-             | ╁        | +-       | 1 |
| _        | μ            | J  | ~   | ٥        | 1=             | ✓                   | 1        | ╀        | Н  | ⊢                 | ╀              | ╀        | ₽        | 4 |
|          | Ŋ            | ١  | V   | 三        | 트              | l V                 | IJ.      | L        | L  | <u> </u>          | ╄              | ↓_       | ↓_       | 1 |
|          | Ø            | j  | J   | 1=       | ŀŧ             | I.                  | V        | L        | L  | L                 | 1              |          | L        | ١ |
|          | ξŪ           | ì  | 1   | حا       | Ţ              | 1.7                 | .7       | Г        | П  | Γ                 | T              | 1        | Т        | 1 |
| =        | H            | 1  | ٧-  | Ť        | t-             | 1.7                 | ۲.       | П        | H  | Η-                | +              | T        | 1        | 1 |
|          | H            | H  |     | ⊢        | ᄩ              | Ψ.                  | ¥        | ۲        | Н  | ⊢                 | ╁              | ╁        | -        | 1 |
| _        | Щ            | 4  | _   | ╙        | ↓₽             | U                   | 4        | H        | Ц  | <u> </u>          | ╄              | ╀        | ┡        | ł |
|          | 11           | 1  |     | L        | <u> </u> e     | V                   | ĿĹ       | L        | Ц  | ·                 | L              | L        | L        | 1 |
|          | 1 1 1 1 2    | ı  |     |          | =              | ΙV                  | V.       |          |    |                   | 1              | 1        | l        | ı |
|          | 1            | 1  |     | lТ       | -              | ĺΫ                  | W        | П        | П  | 7                 | Т              | ✝        | Ι        | 1 |
| -        | 닖            | Н  | _   | ┢        | ╀▔             | -                   |          |          | Н  | ⊢                 | ┰              | ╁╴       | ╁╌       | 1 |
| _        | 4            | 3  | _   | زا       | Ξ١             | $\mathcal{U}$       | V        | Ľ        | V  | L                 | ┺              | ╄-       | <b>L</b> | Į |
|          | 21           | ij | 7   | L        | ഥ              |                     | L        | Ĺ        | J  | Ζ                 | 1              | L        | L        | J |
|          | 2            | 1  |     | Г        |                |                     |          | Γ        | ٦  | 1                 | Γ              | Π        | Г        | 1 |
|          | 2<br>2       | ť  | _   | Н        | т              | ┢                   | $\vdash$ | H        | 7  | H                 | t              | T        | Т        | 1 |
| _        | 2            |    | _   | ├-       | -              | ⊢                   | Η-       | ⊢        | 4  | ₩                 | ╁              | 1        | -        | ł |
|          | Ь.           | 4  | _   | ├-       | -              | ├-                  | $\vdash$ | L        | 4  | 4                 | ╄              | ۲,       | Η-       | ł |
|          | 25           | -  |     | _        | L              | L                   | L        | L        |    | Щ                 | L              | L        | Щ        | ı |
|          | 2€           | ı  |     |          | 1              |                     |          | ٦        |    | ١ſ                |                |          |          | ١ |
|          | 27           | 7  |     | Г        | П              | П                   |          | Г        |    | T                 | Т              | Т        | Г        | 1 |
| _        | 28           | _  |     | Н        | t              | H                   | $\vdash$ | Н        | ۲  | +                 | ┢              | ╁        | Н        | 1 |
| _        | i            | _  |     | ⊢        | $\vdash$       | Н                   | -        | ⊢        | -  | ╫                 | ⊢              | ╀        | ⊢        | 1 |
|          | 28           | _  |     | ᆫ        | L.             | Ш                   |          | Ш        |    | Ц.                | ┖              | ┺        | L        | ı |
|          | ĸ            | J  |     | L        | L              | L                   |          | L        |    |                   | L              | L        | L        | ı |
|          | 31           | ij |     | Г        |                |                     | П        | Γ        | 1  | T                 | Γ              | П        |          | 1 |
|          | 32           | _  | _   | Ι-       | П              | Н                   | Н        | -        | 7  | +                 | t              | $\vdash$ | $\vdash$ | 1 |
|          | 3 3          | _  | -   | ⊢        | ┢╌             | Н                   |          | H        | 4  | +                 | ⊢              | Н        | $\vdash$ | l |
| _        |              | 4  |     | <u> </u> | <b> </b>       | Щ                   | Щ        | L        | 4  | 4                 | ├-             | Н        |          | ı |
|          | 3            |    | 1   | L        | L              | لـــا               |          | L        | J  | L                 | L              | Ш        |          | ı |
|          | 35           | Ī  |     | ĸ        |                |                     |          | Ī        | 1  | T                 | Г              | П        |          | ı |
|          | 38           | i  | _   | غ        |                | П                   | $\Box$   | Г        | 1  | †                 |                | П        |          | ı |
| _        | 37           | 4  | _   | Ι        | $\vdash$       | Н                   | Н        | ۲        | +  | +                 | $\vdash$       | Н        | _        | 1 |
|          | 38           | _  | _   | ├-       | H              | Н                   |          | $\vdash$ | +  | ╀                 | <del> </del> - | ╁┥       |          | ı |
| _        |              | 4  |     | ∟        | Ш              | Щ                   | ш        | L        | 4  | 4                 | 1_             | Ш        |          | ı |
| ل_       | 39           | 1  |     | L        | Ш              |                     |          | L        | ال | $\overline{\Psi}$ | L              | $\sqcup$ |          | 1 |
|          | 40           | ĺ  |     |          |                |                     |          | Г        | 1  |                   | I              | П        |          | ì |
| -        | 41           | t  | -   | _        | Н              | $\dashv$            |          | -        | †  | _                 | Η-             | Н        | _        |   |
| -4       |              | ļ  | _   |          | Н              |                     | -        | _        | 4  |                   | ⊢              | Н        | _        | l |
|          | 42           | l  |     |          | Ш              |                     |          |          | 1  | _                 | <u> </u>       | Ш        |          |   |
| T        | 43           | ſ  |     |          |                | 1                   |          |          | I  |                   | l. T           |          |          |   |
| 7        | 44           | t  |     |          | П              | $\neg$              | $\neg$   | _        | 1  |                   |                | П        |          | ١ |
| -+       |              | ł  | -   | -        | H              |                     | -        | _        | +  | -                 | $\vdash$       | ⊢┤       | -        | ĺ |
| _        | 45           | Ļ  | _   | _        | ш              | _                   | -4       | _        | 4  |                   | ⊢              | Н        |          |   |
|          | 46           | L  | ل   |          | Ш              |                     | $\Box$   | _        | 1  |                   | L              | Ш        |          |   |
| T        | 47           | ſ  |     |          | l J            | 1                   | - 1      |          | ı  |                   | 1              | Ιĺ       | ]        |   |
|          | 48           | r  | ┪   | _        | -              | 7                   | _        |          | 1  |                   |                | П        |          |   |
| $\dashv$ |              | ŀ  | -   | -        | $\vdash$       |                     |          | _        | t  | _                 | -              | $\vdash$ | -        |   |

| ٠٠٠٠٠    | R            | esi      | rict         | ed       |              |          | ,        | ô        | ••••     |          |          |
|----------|--------------|----------|--------------|----------|--------------|----------|----------|----------|----------|----------|----------|
| CL:      | im           | Г        |              |          |              | Di       | ate      | _        |          |          |          |
| Final    | Original     |          |              | I        |              |          |          |          |          |          |          |
|          | 51           |          |              | İ        | 上            | I        |          |          |          | I        | I        |
| _        | 52<br>53     | L        | ╀            | ╀        | ╀            | ╀        | ╀        | ╀        | +        | ╀        | ╀        |
| _        | 54           | H        | ╀            | ╀        | ╀            | ╀        | ╀        | +        | ╀        | ╀        | ╀        |
| -        | 55           | Н        | ╁            | t        | ╁            | ╁        | ╁        | +        | ╁        | ╁        | +        |
| _        | 56           | Ť        | T            | T        | T            | T        | †        | †        | T        | T        | T        |
|          | 57           |          | I            | I        | Ι            | I        | Ι        | Ι        | Ι        | I        | $\Gamma$ |
|          | 58           |          | L            | L        | 1            | L        | 1        | ╀        | ╀        | Ļ        | ↓_       |
| L        | 59           | _        | ╄            | ╀        | ╀            | ╀        | ╀        | ╀        | ╀        | ╀        | ┼-       |
| H        | 60<br>61     | -        | ╀            | ╀        | ╀            | ╁        | ╀        | ╁        | ╀        | ╁        | ╁╌       |
| _        | 62           | Н        | ۲            | 十        | ┿            | +        | 十        | ╁        | ╁        | ╁        | ╁╌       |
|          | 63           | Т        | T            | T        | 1            | 十        | T        | $\top$   | 十        | T        | 1        |
|          | 64           |          | 1            | T        |              |          | T        | I        | Ι        | T        |          |
|          | 65           |          | $oxed{\Box}$ | L        | L            | L        | Ľ        | L        | L        | L        | L        |
| _        | 66           | _        | Į.           | ╀        | ╄            | ╀        | ╀        | ╀        | ╀        | ╀        | ╀        |
| _        | 67<br>68     |          | ┝            | ╁        | ╀            | ╀        | ╀        | ╄        | ╁        | ╀        | ┼        |
|          | 69           | _        | H            | ╁        | +            | ╁        | ╁        | ┿        | ╁        | ╁        | 十        |
| _        | 70           | _        | ┢            | ✝        | $^{\dagger}$ | t        | t        | 十        | t        | t        |          |
| H        | 71           | _        | H            | t        | ╁            | T        | t        | t        | t        | ╁        | 1        |
|          | 72           |          |              |          |              |          |          |          | Τ        |          |          |
|          | 73           | _        |              | L        |              | L        | L        | <u> </u> | L        | L        | L        |
| _        | 74           | _        | L            | ╀        | ↓            | ╀-       | ├-       | ┼-       | ↓_       | ╀        | 1        |
| -        | 75<br>76     |          | -            | ┞        | -            | ╀╌       | ╁        | ╁        | ⊦        | ╁        | Н        |
| $\dashv$ | 77           | _        | -            | ┢        | $\vdash$     | ╁        | ╁╴       | ╁        | H        | ┢        | Н        |
|          | 78           |          | Т            | 1        | T            | T        | T        | T        | T        | T        | П        |
|          | 79           |          |              |          |              |          |          | L        | L        |          |          |
|          | 80           |          | L            | L        | Ļ            | L        | L        |          | L        | L        | Ц        |
| -        | 81<br>82     | _        | L            |          | ļ            | ╄        | -        | ┝        | ┞        | ┞        | Н        |
|          | 83           |          | ┝            | ┝        | ┢            | ┝        | ├        | ╁        | ⊢        | ⊢        | Н        |
| _        | 84           |          | ┢            | ┝        | ┢            | H        | ┢        | -        | ┢        | ┢        | Н        |
| 7        | 85           |          | Т            | T        | T            | ⇈        | T        | $\vdash$ | H        | Н        | Н        |
|          | 86           |          | Ш            |          |              |          |          |          |          |          |          |
| _        | 87           | _        |              | L        | _            | L        | L        | L        | L        | L        | Ш        |
| _        | 88           |          | _            | L        | L            | H        | ┝        | Ļ        | ┡        | L        | Н        |
| _        | 89<br>90     | -        | <u></u>      | ├        | $\vdash$     | $\vdash$ | $\vdash$ | ├-       | $\vdash$ | $\vdash$ | Н        |
| -+       | 91           |          | $\vdash$     | -        | $\vdash$     | $\vdash$ | $\vdash$ | ╁        | -        | Н        | Н        |
| _        | 92           | T        |              | $\vdash$ | ┢            | $\vdash$ | ┢        | ┢        | ┢        | $\vdash$ | Н        |
| _        | 93           |          |              |          |              |          |          | Т        | Г        | Г        | Н        |
|          | 94           |          |              |          |              |          |          |          |          |          |          |
| _        | 95           |          |              |          |              |          |          | 匚        |          |          | 口        |
|          | 96           | _        | Щ            | $\vdash$ | Н            | $\vdash$ | -        | _        | <u> </u> | Щ        | Ц        |
| _        | 97  <br>98   | 4        | Н            | _        | $\vdash$     | $\vdash$ | H        | <u> </u> | H        | Н        | Н        |
| _        | 99           | $\dashv$ | $\dashv$     | Н        |              | -        | $\vdash$ | $\vdash$ | Н        | Н        | Н        |
|          | <del>~</del> | ┥        | -            | -        | H            | H        | -        | $\vdash$ |          | -        | Н        |

| ••••  | •••••      | A)       | ope<br>bje | al<br>cte | t        |   |            |          |              |          |          |              |
|-------|------------|----------|------------|-----------|----------|---|------------|----------|--------------|----------|----------|--------------|
| Cla   | ·          |          |            |           |          | _ | _          | ate      |              |          | C        | 7            |
|       |            | _        | _          | _         | _        | - | T          | 10       | _            | _        | 1        | 76           |
| Final | Original   |          |            |           |          |   |            |          | 1            |          | 7        |              |
|       | 101        | _        | ┝          | ╁         | ╁        | - | ╁          | ╁        | ╁            | ╁        | ተ        | 蠓            |
| _     | 102        | _        | ┢          | 十         | †        |   | ۲          | +        | ╈            | t        | +        | +            |
|       | 103        |          | T          | †         | 1        |   | Τ          | Τ        | Ť            | T        | 1        | Τ            |
|       | 104        |          |            | Ī         | Ī        | _ | L          | I        |              | İ        | T        | I            |
|       | 105        |          | L          | L         | 1        |   | L          |          | L            | L        | ┸        | L            |
| _     | 106        | _        | L          | ╀         | 4        | _ | L          | ╀        | 4            | 1        | 1        | ╀            |
| _     | 107        | _        | ┞          | ╀         | 4        | _ | ╀          | +        | +            | ╀        | +        | ╁            |
| _     | 8 8        |          | ⊢          | ╀         | +        | _ | ╀          | ╀        | ╀            | ╀        | ╁        | ╀            |
|       | 120        | -        | ┝          | ╀         | +        | _ | ╁╴         | ╁        | ╁            | ╁        | ┿        | ╁            |
|       | 111        |          | -          | ╁         | t        | - | ┢          | ╁        | +            | ╁        | ╁        | ╁            |
| _     | 112        |          | t          | t         | t        | - | t          | t        | +            | +        | +        | ╈            |
|       | 113        | _        | H          | T         | t        | _ | T          | Ť        | 1            | T        | +        | 十            |
|       | 114        | _        | Г          | T         | T        |   | Τ          | T        | 1            | T        | +        | †            |
| į     | 115        | _        |            | Γ         | Ι        |   |            | Ι        | $\mathbf{I}$ | Ι        | I        | I            |
|       | 116        |          | L          | L         | Ţ        |   | L          | L        | L.           | L        | $\perp$  | L            |
|       | 117        |          | L          | L         | 1        | _ | L          | ╀        | ╄            | 1        | 1        | 1            |
| _     | 118        |          | L          | ╀         | 4        |   | ┞          | ╀-       | 4            | 4        | ╀        | +            |
| _     | 119        |          | L          | ╀         | 4        | _ | <u> </u> _ | ╀        | ╀            | ╀        | ╀        | +            |
|       | 120        | _        | L          | ╄         | 1        | _ | L          | ↓_       | 1            | ╁.       | ┸        | ╀            |
|       | 121        |          | -          | ╀         | +        | _ | ┡          | ╀        | ┼-           | +        | ╀        | ╀            |
|       | 122<br>123 |          | ⊢          | ╀         | +        |   | H          | ╀        | ╀            | ╀        | ╁        | ╀            |
|       | 124        |          | ┝          | ╁         | +        | _ | ┝          | ╁        | +-           | ╁╴       | ╁        | ╁            |
| _     | 125        |          | Н          | H         | t        | - | H          | t        | t            | ✝        | ╈        | †            |
|       | 26         |          |            | T         | t        |   | -          |          | T            | T        | T        | T            |
| -     | 27         |          |            |           | Ι        |   |            |          | L            |          | Ι        |              |
|       | 28         |          |            |           | I        |   |            | L        |              |          | $\Box$   | Γ            |
|       | 29         | _        | _          | L         | Ļ        | _ |            | L        | 1            | L        | 1        | L            |
| _     | 30         | _        | _          | L         | Ļ        | 4 | _          | L        | ┡            | ╀        | ╀-       | ┞            |
|       | 31<br>32   | $\dashv$ | _          | ⊢         | ╀        | 4 | _          | -        | ╁╌           | ⊢        | ╀        | ┢            |
| _     | 33         | $\dashv$ |            | ⊢         | H        | ┨ |            | ├        | ├            | ┝        | ┢        | ┝            |
|       | 34         | +        | _          | $\vdash$  | H        | ┪ | _          | $\vdash$ | $\vdash$     | $\vdash$ | +        | +            |
|       | 35         | 7        |            | Т         | t        | 7 |            | Т        | T            | †-       | t        | ┢            |
|       | 36         |          | _          |           | T        | 1 | _          | Г        | T            | Π        | I        |              |
|       | 37         |          |            |           | L        | J |            |          |              |          |          |              |
| _     | 38         | $\Box$   | _          |           | Ĺ        | ] | _          |          |              |          |          | 匚            |
| _     | 39         | _        |            | L         | L        | 4 |            | <u> </u> | L            | L        | 1        | _            |
| _     | 40         | 4        |            | L         | L        | 4 |            | L_       | L            | L        | <u> </u> | L            |
|       | 41         | 4        | _          | <u> </u>  | L        | 4 |            | $\vdash$ | _            | $\vdash$ | L        | $\vdash$     |
|       | 42<br>43   | 4        | _          | <u> </u>  | Ͱ        | + | -          | -        | <u> </u>     | ⊢        | -        | <del> </del> |
|       | 44         | +        | -          | ⊢         | $\vdash$ | + | _          | -        | $\vdash$     | $\vdash$ | H        | $\vdash$     |
| . 1.  | 45         | +        | -          | ⊢         | $\vdash$ | + | -          | -        | ┝            | $\vdash$ | -        | $\vdash$     |
| ٦,    | 46         | 寸        | _          | H         | H        | 1 | _          | _        | $\vdash$     | ┢        | Н        | ⊢            |
| 卞     | 47         | 7        |            |           | r        | † |            | _        | H            | ┢        |          | _            |
| 7     | 48         | _†       |            |           |          | 1 |            |          |              | T        | H        | -            |
| h     | 49         | _        |            |           |          | 1 |            |          |              |          |          |              |
| h     | <b>5</b> 0 | $\perp$  |            |           | Ĺ        | I |            |          |              |          |          |              |

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If more than 150 claims or 10 actions staple additional sheet here